

## 03050208-130

(New River)

### General Description

Watershed 03050208-130 is located in Jasper and Beaufort Counties and consists primarily of the *New River* and its tributaries. The watershed occupies 67,697 acres of the Coastal Zone region of South Carolina. The predominant soil types consist of an association of the Argent-Okeetee-Santee series. The erodibility of the soil (K) averages 0.19, and the slope of the terrain averages 1%, with a range of 0-6%. Land use/land cover in the watershed includes: 48.2% forested land, 22.5% forested wetland, 13.2% nonforested wetland, 6.1% water, 5.1% barren land, 3.8% agricultural land, and 1.1% urban land.

The New River flows out of the Great Swamp Watershed, and accepts drainage from Pickseed Swamp, Brickyard Swamp (Bob Dam Swamp, Turkey Pond, Fourmile Swamp), Fox Pond, and Horse Swamp (Two Bridge Swamp). At the base of the watershed, Ramshorn Creek connects the New River to the Cooper River and the Calibogue Sound Watershed, and Watts Cut connects the New River to the Wright River Watershed. Mungen Creek drains into two locations in the last bend of the New River. There are a total of 8.9 stream miles, 15.0 acres of lake waters, and 2,851.4 acres of estuarine waters in this watershed, all classified SA except for the portion of Ramshorn Creek connected to the watershed that is classified SFH.

### Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
MD-118	P	SA	NEW RIVER AT SC 170, 9MI W OF BLUFFTON

*New River (MD-118)* – Aquatic life uses are not supported due to pH excursions. This is a tidally influenced system, which are often characterized by naturally low dissolved oxygen concentrations. Although dissolved oxygen excursions were noted, they were typical of values seen in such systems and are considered natural, not standards violations. Significant decreasing trends in five-day biochemical oxygen demand and total nitrogen concentration suggest improving conditions for these parameters. In sediments, a very high concentration of copper exceeding both the ERL and ERM values was measured in the 1999 sample. Recreational uses are not supported due to fecal coliform bacteria excursions. In addition, there is a significant increasing trend in fecal coliform bacteria concentrations.

*A fish consumption advisory has been issued by the Department for mercury and includes the New River within this watershed (see advisory p.58).*

## Shellfish Monitoring Stations

<u>Station #</u>	<u>Description</u>
19-02A	COOPER RIVER AT NEW RIVER
19-04	COOPER RIVER AT MARKER #41 – DAUFUSKIE ISLAND
19-05	BLOODY POINT AT MUNGEN CREEK
19-07	RAMSHORN CREEK AT NEW RIVER
19-08	FIRST CREEK ON LEFT UP NEW RIVER AT POLLUTION LINE
19-21	2.5 MILES UP NEW RIVER FROM STATION 19-02A
19-23	NEW RIVER AT WATTS CUT

## NPDES Program

### *Active NPDES Facilities*

<i>RECEIVING STREAM</i>	<i>NPDES#</i>
<i>FACILITY NAME</i>	<i>TYPE</i>
<i>PERMITTED FLOW @ PIPE (MGD)</i>	<i>COMMENT</i>
GREAT SWAMP TRIBUTARY TO NEW RIVER	SC0047279
BJW&SA/OKATIE WATER RECLAIM. FACILITY	MAJOR DOMESTIC
PIPE #: 002 FLOW: 3.2	
PIPE #: 002 FLOW: 4.8	PROPOSED

## Nonpoint Source Management Program

### *Land Disposal Activities*

#### Land Application Sites

<i>LAND APPLICATION SYSTEM</i>	<i>ND#</i>
<i>FACILITY NAME</i>	<i>TYPE</i>
GOLF COURSE	ND0068179
DAUFUSKIE ISLAND CLUB & RESORT	DOMESTIC

### *Mining Activities*

<i>MINING COMPANY</i>	<i>PERMIT #</i>
<i>MINE NAME</i>	<i>MINERAL</i>
DLB	1381-53
DLB #2	SAND
ABLE CONTRACTING	1386-53
-----	SAND
TEAM CONSTRUCTION, INC.	1269-53
ALPHA 3	SAND/SANDCLAY
BUNTON CONSTRUCTION	1309-13
DAVIS	SAND/SANDCLAY
BALL PROPERTY	1192-13
BALL PROPERTY MINE	SAND/SANDCLAY

## **Growth Potential**

There is a moderate to high potential for growth in this watershed, which contains portions of the Towns of Hardeeville and Bluffton. I-95 crosses the Town of Hardeeville and may provide some growth to the area. Beaufort-Jasper Water and Sewer Authority is in the process of expanding the wastewater treatment facility, which should promote future growth in the Hardeeville area. Less than 25% of the total land area is suitable for septic system installations; and another 25% or less is classified as marginally suitable. Also, growth in the area tends to be spread out over a large area not served by a sewer system. The siting of the DaimlerChrysler van plant across the Savannah River from Hardeeville should also provide residential and commercial growth to the area.

The Town of Bluffton is an unincorporated area experiencing substantial growth. Del Webb's Sun City retirement community development near Bluffton has added tremendous residential and commercial growth to the area. Between 25 and 50% of the total land area is suitable for septic system installations; and another 25% or less is classified as marginally suitable. Beaufort-Jasper Water and Sewer Authority has extended water and sewer services to the area to provide for the growth.